

**ABSTRACT**

The present invention provides a method of treating a porous substrate that includes contacting a surfactant or a mixture of surfactants to a surface of the porous substrate such that opposite surface of the porous substrate contacts a lesser amount of the surfactant or mixture of surfactants than the first surface contacts. The present invention also provides a porous, treated substrate that includes a first surface that includes a first amount of a surfactant or mixture of surfactants and a second surface that includes a lesser amount of the surfactant or the mixture of surfactants.